

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method ~~in-performed by~~ a distributed document object model system for associating business logic, comprising:

receiving a registration request from a business logic event handler for an event of the distributed document object model system, wherein the distributed document object model system causes the event to occur when a first modification is made to a hierarchical document;

registering the business logic event handler; and

~~when an~~ if the event occurs,

notifying the business logic event handler;

receiving an indication from the business logic event handler; and

performing a function relating to the received indication, wherein the performed function applies a business rule that causes a second modification to the hierarchical document.

2. (Canceled)

3. (Currently Amended) The method of claim 2-1 wherein the event handler is registered for a document type.

4. (Currently Amended) The method of claim 2-1 wherein the event handler disallows the ~~requested mutation~~ first modification so that the event does not occur.

5. (Currently Amended) The method of claim 2-1 wherein the event handler allows the ~~requested mutation~~ first modification so that the event occurs.

6. (Currently Amended) The method of claim 2-1 wherein event handling is performed on a client computing device.

7. (Currently Amended) The method of claim 2-1 wherein event handling is performed on a server computing device.

8. (Currently Amended) The method of claim 1 wherein the ~~event-handler handles an event that is generated when a requested mutation~~ before the first modification is applied-made to a the hierarchical document.

9. (Currently Amended) The method of claim 1 wherein the ~~event-handler handles an event that is generated after a requested mutation~~ the first modification is applied-made to a the hierarchical document.

10. (Canceled)

11. (Canceled)

12. (Currently Amended) The method of claim 44-1 wherein an answer message is sent to a client that requested ~~a-mutation~~ the first modification to the hierarchical document that caused the event handler to enforce the business rule that requested ~~caused the mutation~~ second modification to the hierarchical document.

13. (Original) The method of claim 12 wherein a broadcast message is sent to another connected client.

14. (Currently Amended) The method of claim 44-1 wherein the business rule requests-~~causes~~ the mutation-second modification to the document without a corresponding request from a client.

15. (Currently Amended) The method of claim 14 wherein a broadcast message is sent to all connected clients indicating the second modification.

16. (Currently Amended) A distributed document object model system for associating business logic, comprising:

a component that receives a registration request from a business logic event handler for an event of the distributed document object model system, wherein the distributed document object model system causes the event to occur when a first modification is made to a hierarchical document;

a component that registers the business logic event handler;

a component that notifies the business logic event handler when an ~~the~~ event occurs;

a component that receives an indication from the business logic event handler; and

a component that performs a function relating to the received indication, wherein the function performed includes applying the business rule, thereby making a second modification to the hierarchical document.

17. (Canceled)

18. (Currently Amended) The system of claim 47-16 wherein the business logic event handler is registered for a document type.

19. (Currently Amended) The system of claim 47-16 wherein the business logic handler disallows the requested ~~mutation~~ first modification made to the document.

20. (Currently Amended) The system of claim 47-16 wherein the business logic event handler allows the requested ~~mutation~~ first modification made to the document.

21. (Currently Amended) The system of claim 47-16 wherein event handling is performed on a client computing device.

22. (Currently Amended) The system of claim 17-~~16~~ wherein event handling is performed on a server computing device

23. (Currently Amended) The system of claim 16 wherein the ~~event handler handles an event that is generated when a requested mutation before the first modification is applied~~ made to a the hierarchical document.

24. (Currently Amended) The system of claim 16 wherein the ~~event handler handles an event that is generated after a requested mutation the first modification is applied~~ made to a the hierarchical document.

25. (Canceled)

26. (Canceled)

27. (Currently Amended) The system of claim ~~26-16~~ wherein an answer message is sent to a client that requested a ~~mutation~~ the first modification to the document that caused the event handler to enforce the business rule that requested ~~caused~~ the mutation second modification to the document.

28. (Original) The system of claim 27 wherein a broadcast message is sent to another connected client.

29. (Currently Amended) The system of claim ~~26-16~~ wherein the business rule requests ~~causes~~ the mutation second modification to the document without a corresponding request from a client.

30. (Original) The system of claim 29 wherein a broadcast message is sent to all connected clients.